

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0005	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Sutter Maintenance Yard Maintenance Area 0005	M *	32.84						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.02		0.02	0.06%				
Trim / Thin Trees	0.01		0.01	0.03%				
Encroachments	0.03		0.03	0.09%	5.43	0.01		
Slope Stability	0.05	0.01	0.09	0.27%				
Repair Gates	0.01		0.01	0.03%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.31	0.01		
<i>LMA Totals:</i>	0.12	0.01	0.16	0.49% *	5.74	0.02	0.00	0.00
Unit No. 01 Butte Creek 1 LB	Overall Unit Rating	Total Unit Miles						
MA0005	A	15.08						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.07%				
Trim / Thin Trees	0.01		0.01	0.07%				
Encroachments	0.01		0.01	0.07%	3.26			
Slope Stability	0.02		0.02	0.13%				
Repair Gates	0.01		0.01	0.07%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.15			
<i>Unit Totals:</i>	0.06	0.00	0.06	0.40%	3.41	0.00	0.00	0.00
Unit No. 02 Butte Creek 1 RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
MA0005	M *	16.27						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.06%				
Encroachments	0.02		0.02	0.12%	2.17	0.01		
Slope Stability	0.03	0.01	0.07	0.43%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.16	0.01		
<i>Unit Totals:</i>	0.06	0.01	0.10	0.61% *	2.33	0.02	0.00	0.00
Unit No. 03 Little Chico Creek Diversion 1 LB	Overall Unit Rating	Total Unit Miles						
MA0005	A	1.49						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0005

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0005

Waterway			Bank	Unit Miles
Unit No. 01 Butte Creek 1			Left	15.08
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/29/2014 - 04/29/2014		11/20/2014 - 11/20/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Jason Cooper Sutter Maintenance Yard		Jason Cooper Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_MA0005_01_s_2013_11				
Action/Comments					
Inspector Comments: The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_MA0005_01_s_2013_12				
Action/Comments					
Inspector Comments: The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_MA0005_01_s_2013_13				
Action/Comments					
Inspector Comments: The LMA completed flood fight training in 2014.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start	0.40	Rating **	C	Issue No.	31
LM End	0.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.693000 °	39.693000 °
				-121.778235 °	-121.778235 °
DWR ID	DWR_MA0005_01_s_2014_31				
Action/Comments					
Tree or limb					

No Photos

LM Start	0.58	Rating **	M	Issue No.	903
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.690745 °	39.690745 °
				-121.777342 °	-121.777342 °
DWR ID	DWR_MA0005_01_s_2012_903				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2014_MA0005_196_903_20141013_00013.jpg



View of the large elderberries along the L/S toe.

LM Start	0.78	Rating **	M	Issue No.	32
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.687917 °	39.687917 °
				-121.777393 °	-121.777393 °
DWR ID	DWR_MA0005_01_s_2014_32				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : FA_2014_MA0005_196_32_20141013_00010.jpg



Trim the trees along the landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

Photo 1 of 1 : FA_2014_MA0005_196_29_20141126_00015.jpg



11/26/2014


View of the prunings along the landside toe.

Photo 1 of 1 : FA_2014_MA0005_196_30_20141126_00016.jpg



View of the sprinkler pipe and equipment along the landside toe.

Photo 1 of 1 : FA_2014_MA0005_196_16_20141013_000007.jpg



04/23/2013

View of the unauthorized vehicle ramp on the landside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

Photo 1 of 1 : FA_2014_MA0005_196_34_20141126_00017.jpg



View of the prunings along the landside toe.

Photo 1 of 1 : FA_2014_MA0005_196_1_20141013_00001.jpg



View of the removed garbage but construction supply on pallets.

Photo 1 of 1 : FA_2014_MA0005_196_33_20141013_00011.jpg



View of the firewood along the landside toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

Photo 1 of 1 : FA_2014_MA0005_196_35_20141126_00018.jpg



View of the prunings along the landside toe.

Photo 1 of 1 : FA_2014_MA0005_196_10_20141013_00006.jpg



View of the gate with no permit.

Photo 1 of 1 : FA_2014_MA0005_196_9_20141013_00005.jpg



View of the vehicle erosion along the landside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start	3.13	Rating **	M	Issue No.	2
LM End	3.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.656735 °	39.656735 °
				-121.787163 °	-121.787163 °
DWR ID	DWR_MA0005_01_f_2014_2				
Action/Comments					
Prunings					

Photo 1 of 2 : FA_2014_MA0005_196_2_20141013_00002.jpg



View of the large prunings pile along the L/S toe.

LM Start	3.13	Rating **	M	Issue No.	2 (cont)
LM End	3.13	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2014_MA0005_196_2_20141126_00019.jpg



LM Start	3.54	Rating **	C	Issue No.	17
LM End	3.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.651070 °	39.651070 °
				-121.789050 °	-121.789050 °
DWR ID	DWR_MA0005_01_s_2013_17				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start	3.67	Rating **	M	Issue No.	3
LM End	3.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.649522 °	39.649522 °
				-121.787965 °	-121.787965 °
DWR ID	DWR_MA0005_01_f_2014_3				
Action/Comments					
Inspector Comments: FS_ID:37455					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears to be abandoned. Slide gate open and inoperable. Pipe should be properly abandoned					
5/29/2013 Same as last inspection					
11/20/2013 Same as last inspection					
6/11/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 30-inch corrugated metal siphon through levee, 10.5 feet below crown. Slide gate in corrugated metal riser on waterward slope. Concrete distribution box on LS toe and concrete overflow and siphon box at edge of berm. (USCE 1958)					
FS Date: 6/12/2014 7:36:03 AM					

No Photos

LM Start	3.97	Rating **	M	Issue No.	4
LM End	3.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.645846 °	39.645846 °
				-121.785155 °	-121.785155 °
DWR ID	DWR_MA0005_01_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:37458 EP_NO: 6544A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipeline should be marked where pipe crosses levee as it is 4-feet below the surface5/29/2013 Same as last inspection11/20/2013 Same as last inspection6/11/2014 Same as last inspection. FIELD_STRUCT_DESC: 6-inch concrete encased high pressure steel gas line through the levee, 4.0 feet below the crown. 8-inch diameter PG&E gas access manhole located on south side of road 250-feet east of levee crown. (Permit No. 6544A) FS Date: 6/12/2014 7:41:32 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start	5.65	Rating **	M	Issue No.	14
LM End	5.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.624559 °	39.624559 °
				-121.772141 °	-121.772141 °
DWR ID	DWR_MA0005_01_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:37460 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe 1/2 filled with soil at slide gate on WS/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned1/19/2013 Same as last inspection6/11/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2. 36-inch pipe through levee 11.0 feet below crown. Slide gate in 54-inch corrugated metal riser on waterward slope and concrete "U" headwall on the landward side. (USACE 1957) FS Date: 6/12/2014 7:43:14 AM					

No Photos

LM Start	5.65	Rating **	M	Issue No.	15
LM End	5.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.624559 °	39.624559 °
				-121.772141 °	-121.772141 °
DWR ID	DWR_MA0005_01_f_2014_15				
Action/Comments					
Inspector Comments: FS_ID:37461					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe 1/2 filled with soil at slide gate en5/29/2013					
Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned1/19/2013 Same as last inspection6/11/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 2. 36-inch pipe through levee 11.0 feet below crown. Slide gate in 54-inch corrugated metal riser on waterward slope and concrete "U" headwall on the landward side. (USACE 1957)					
FS Date: 6/12/2014 7:45:37 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start	5.79	Rating **	M	Issue No.	55
LM End	6.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.622766 °	39.615666 °
				-121.773159 °	-121.777353 °
DWR ID	DWR_MA0005_01_f_2013_55				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_MA0005_196_55_20141013_00012.jpg



View of the irrigation ditch along the landside toe.

LM Start	7.70	Rating **	M	Issue No.	18
LM End	7.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.597725 °	39.597725 °
				-121.787257 °	-121.787257 °
DWR ID	DWR_MA0005_01_f_2014_18				
Action/Comments					
Inspector Comments: FS_ID:37476 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe filled with soil and outlet/appurtenances are buried 5/29/2013 Same as last inspection 1/19/2013 Same as last inspection 6/11/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch pipe through levee, 8.5 feet below crown. Flap gate on the waterward end. Concrete "U" shaped headwall on LS toe. (USCE 1952) FS Date: 6/12/2014 8:33:51 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start	8.33	Rating **	M	Issue No.	19
LM End	8.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.589751 °	39.589751 °
				-121.792818 °	-121.792818 °
DWR ID	DWR_MA0005_01_f_2014_19				
Action/Comments					
Inspector Comments: FS_ID:37478					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe filled with soil 5/29/2013 Same as last inspection 11/19/2013 Same as last inspection 6/11/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end.					
Concrete headwall at both toes. (USACE 1952)					
FS Date: 6/12/2014 8:36:26 AM					

No Photos

LM Start	9.21	Rating **	M	Issue No.	20
LM End	9.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.579908 °	39.579908 °
				-121.802790 °	-121.802790 °
DWR ID	DWR_MA0005_01_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:37481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to confirm proper abandonment of pipe. Pipe should be plugged on 5/29/2013 Same as last inspection 11/19/2013 Same as last inspection 6/11/2014 Same as last inspection. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 11.5 feet below the crown. Distribution box at the landward toe. (USACE 1955) FS Date: 6/12/2014 8:38:46 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start	9.65	Rating **	M	Issue No.	21
LM End	9.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.575072 °	39.575072 °
				-121.807805 °	-121.807805 °
DWR ID	DWR_MA0005_01_f_2014_21				
Action/Comments					
Inspector Comments: FS_ID:37482					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Seems there should be flap gates on this structure 5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch 11/19/2013 Same as last inspection 6/11/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 4: 66 Inch Corrugated Metal Pipe through levee, 17.9 feet below the crown. Concrete headwalls on both ends. (USCE 1952).					
FS Date: 6/12/2014 8:39:14 AM					

No Photos

LM Start	9.66	Rating **	M	Issue No.	22
LM End	9.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.575036 °	39.575036 °
				-121.807807 °	-121.807807 °
DWR ID	DWR_MA0005_01_f_2014_22				
Action/Comments					
Inspector Comments: FS_ID:37483					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Seems there should be flap gates on this structure5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch11/19/2013 Same as last inspection6/11/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 4: 66 Inch Corrugated Metal Pipe through levee, 17.9 feet below the crown. Concrete headwalls on both ends. (USCE 1952).					
FS Date: 6/12/2014 8:39:46 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start	9.66	Rating **	M	Issue No.	23
LM End	9.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.575000 °	39.575000 °
				-121.807808 °	-121.807808 °
DWR ID	DWR_MA0005_01_f_2014_23				
Action/Comments					
Inspector Comments: FS_ID:37484					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Seems there should be flap gates on this structure 5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch 11/19/2013 Same as last inspection 6/11/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 3 of 4: 66 Inch Corrugated Metal Pipe through levee, 17.9 feet below the crown. Concrete headwalls on both ends. (USCE 1952).					
FS Date: 6/12/2014 8:40:37 AM					

No Photos

LM Start	9.66	Rating **	M	Issue No.	24
LM End	9.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.574964 °	39.574964 °
				-121.807810 °	-121.807810 °
DWR ID	DWR_MA0005_01_f_2014_24				
Action/Comments					
Inspector Comments: FS_ID:37485					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Seems there should be flap gates on this structure5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch11/19/2013 Same as last inspection6/11/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 4 of 4: 66 Inch Corrugated Metal Pipe through levee, 17.9 feet below the crown. Concrete headwalls on both ends. (USCE 1952).					
FS Date: 6/12/2014 8:41:05 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start	9.66	Rating **	M	Issue No.	5
LM End	10.48	Issue Type +	En	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.574837 °	39.567892 °
				-121.807913 °	-121.819283 °
DWR ID	DWR_MA0005_01_s_2012_5				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_MA0005_196_5_20141013_00003.jpg



View of the agricultural ditch along the L/S toe.

LM Start	10.19	Rating **	M	Issue No.	25
LM End	10.19	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.570596 °	39.570596 °
				-121.815215 °	-121.815215 °
DWR ID	DWR_MA0005_01_f_2014_25				
Action/Comments					
Inspector Comments: FS_ID:37486					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe and headwall buried on WS, no access to slide gate					
5/29/2013 Same as last inspection					
11/19/2013 Same as last inspection					
6/11/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 12.5 feet below the crown. Slide gate on the waterward end. Flap gate and headwall on the landward end. Concrete headwall at the waterward toe. (USCE 1952)					
FS Date: 6/12/2014 8:41:32 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start	10.99	Rating **	M	Issue No.	26
LM End	10.99	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562559 °	39.562559 °
				-121.825808 °	-121.825808 °
DWR ID	DWR_MA0005_01_f_2014_26				
Action/Comments					
Inspector Comments: FS_ID:37488					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe buried on both sides of levee 5/29/2013 Same as last inspection 11/19/2013 Same as last inspection 6/11/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 12.2 feet below the crown. Flap gate on the waterward end. (USCE 1952)					
FS Date: 6/12/2014 8:42:44 AM					

No Photos

LM Start	12.00	Rating **	M	Issue No.	27
LM End	12.00	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.551212 °	39.551212 °
				-121.837724 °	-121.837724 °
DWR ID	DWR_MA0005_01_f_2014_27				
Action/Comments					
Inspector Comments: FS_ID:37500					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Pipe burried on both LS and WS 5/29/2013 Same as last inspection11/19/2013 Same as last inspection6/11/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 48" Corrugated Metal Pipe riser and sparling water meter/irrigation structure. 4-foot by 6-foot concrete outlet box on LS toe.(USACE 1952)					
FS Date: 6/12/2014 8:55:42 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	11/20/2014 11/20/2014	Bob Duffey

LM Start	12.00	Rating **	M	Issue No.	6
LM End	13.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.551235 °	39.531462 °
				-121.837697 °	-121.856165 °
DWR ID	DWR_MA0005_01_s_2012_6				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_MA0005_196_6_20141013_00004.jpg



View of the AG ditch along the L/S toe.

LM Start	14.66	Rating **	M	Issue No.	28
LM End	14.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.522200 °	39.522200 °
				-121.865592 °	-121.865592 °
DWR ID	DWR_MA0005_01_f_2014_28				
Action/Comments					
Inspector Comments: FS_ID:37503					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Soil under Concrete wing walls on WS toe has been eroded. No soil supporting wing walls5/29/2013 Same as last inspection11/19/2013 Same as last inspection6/11/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 13.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. (USCE 1952)					
FS Date: 6/12/2014 8:57:32 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0005

Waterway			Bank	Unit Miles
Unit No. 02 Butte Creek 1			Right	16.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	04/14/2014 - 04/14/2014		11/20/2014 - 11/20/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Jason Cooper Sutter Maintenance Yard		Jason Cooper Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	1.23	Rating **	M	Issue No.	1
LM End	1.62	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.529933 °	39.534102 °
				-121.861563 °	-121.856947 °
DWR ID	DWR_MA0005_02_s_2012_1				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_MA0005_197_1_20141013_00001.jpg



View of the AG ditch along the L/S toe.

LM Start	1.45	Rating **	U	Issue No.	2
LM End	1.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.732942 °	39.732942 °
				-121.772445 °	-121.772445 °
DWR ID	DWR_MA0005_02_f_2014_2				
Action/Comments					
Inspector Comments: FS_ID:24148					
EP_NO: 16381					
Repair Type: Urgent					
Crossing Status: Not Found					
UCIP Comments: Gasline not marked. Notes in permit indicate installation occurred. Owner needs to install markers 6/6/2013 Same as last inspection. Unable to locate 1/13/2013 Unable to locate.					
FIELD_STRUCT_DESC: 1 of 2: 2" gas main. (Permit No. 16381)					
FS Date: 11/14/2013 1:28:01 PM					

No Photos

LM Start	1.88	Rating **	C	Issue No.	42
LM End	1.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.536871 °	39.536871 °
				-121.853716 °	-121.853716 °
DWR ID	DWR_MA0005_02_s_2014_42				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	1.89	Rating **	C	Issue No.	4
LM End	1.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.536923 °	39.536923 °
				-121.853638 °	-121.853638 °
DWR ID	DWR_MA0005_02_s_2012_4				
Action/Comments					
Garbage					

No Photos

LM Start	1.94	Rating **	M	Issue No.	8
LM End	1.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.537455 °	39.537455 °
				-121.853061 °	-121.853061 °
DWR ID	DWR_MA0005_02_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:37715					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Vegetation needs to be cleared from					
outlet 6/6/2013 Same as last inspection 11/12/2013 Same as last					

No Photos

LM Start	2.92	Rating **	M	Issue No.	11
LM End	2.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.549014 °	39.549014 °
				-121.842866 °	-121.842866 °
DWR ID	DWR_MA0005_02_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:37536					
EP_NO: 3927					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pump does not appear to be in use or is abandoned 6/6/2013 Same as last inspection 11/12/2013 Same as last inspection 6/04/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 20-inch steel pipe through the levee, 2.4 feet below the crown. Siphon breaker in 24-inch corrugated metal riser on the landward shoulder. Portable pump on the waterward side. (Permit No. 3927)					
FS Date: 6/12/2014 9:37:01 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	3.15	Rating **	M	Issue No.	7
LM End	4.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.551780 °	39.567430 °
				-121.840507 °	-121.823065 °
DWR ID	DWR_MA0005_02_s_2012_7				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_MA0005_197_7_20141013_00005.jpg



View of the AG ditch along the L/S toe.

LM Start	4.16	Rating **	M	Issue No.	23
LM End	4.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562875 °	39.562875 °
				-121.828782 °	-121.828782 °
DWR ID	DWR_MA0005_02_f_2014_23				
Action/Comments					
Inspector Comments: FS_ID:37547 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on WS and is not filled with concrete6/6/2013 Sutter Maintenance Yard supervisor Jason Cooper said there is a flap gate on the LS end of the pipe in the western most ditch to prevent high water flooding. Not sure if this is adequate, will talk to levee inspector to find out1/13/2013 Same as last inspection6/04/2014 Same as last inspection. FIELD_STRUCT_DESC: 5 of 5: 60-inch drain pipe through the levee, 16.6 feet below the crown. Pipe partially plugged on LS with concrete wall. Flap gate installed on concrete plug to allow floodwater from LS to flow to WS. (USACE 1955) FS Date: 6/12/2014 10:01:28 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	5.07	Rating **	A	Issue No.	39
LM End	5.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.572245 °	39.572245 °
				-121.816902 °	-121.816902 °
DWR ID	DWR_MA0005_02_f_2014_39				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_MA0005_197_39_20141126_00019.jpg



View of the controlled vegetation on both slopes.

LM Start	5.43	Rating **	M	Issue No.	24
LM End	5.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.576008 °	39.576008 °
				-121.812599 °	-121.812599 °
DWR ID	DWR_MA0005_02_f_2014_24				
Action/Comments					
Inspector Comments: FS_ID:37553					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned. Unable to locate outfall on WS. Unable to locate inlet on LS 6/6/2013 Same as last inspection 11/12/2013 Same as last inspection 6/04/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 12.5 feet below the crown. Slide gate and flap gate in 56-inch cmp riser on WS berm. Flap gate on the waterward end. (USACE 1955)					
FS Date: 6/12/2014 10:17:03 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	8.10	Rating **	M	Issue No.	13
LM End	8.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.607710 °	39.607710 °
				-121.785868 °	-121.785868 °
DWR ID	DWR_MA0005_02_s_2012_13				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 2 : FA_2014_MA0005_197_13_20141013_00007.jpg



View of the vehicle erosion along the slope.

LM Start	8.10	Rating **	M	Issue No.	13 (cont)
LM End	8.10	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2014_MA0005_197_13_20141126_00020.jpg



View of the vehicle erosion along the landside slope.

LM Start	8.12	Rating **	M	Issue No.	27
LM End	8.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.607802 °	39.607802 °
				-121.785597 °	-121.785597 °
DWR ID	DWR_MA0005_02_f_2014_27				
Action/Comments					
Inspector Comments: FS_ID:37563					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe 3/4 full with soil on LS 5/6/2013 Same as last inspection 11/12/2013 Same as last inspection 6/04/2014 Same as					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	8.17	Rating **	M	Issue No.	40
LM End	8.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.608563 °	39.608563 °
				-121.785058 °	-121.785058 °
DWR ID	DWR_MA0005_02_f_2014_40				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_MA0005_197_40_20141126_00021.jpg



View of the vehicle erosion along the landside slope.

LM Start	8.45	Rating **	C	Issue No.	15
LM End	8.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.612212 °	39.612212 °
				-121.782922 °	-121.782922 °
DWR ID	DWR_MA0005_02_s_2012_15				
Action/Comments					
Prunings					

No Photos

LM Start	8.80	Rating **	C	Issue No.	17
LM End	8.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.616353 °	39.616353 °
				-121.779808 °	-121.779808 °
DWR ID	DWR_MA0005_02_s_2012_17				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	8.91	Rating **	C	Issue No.	12
LM End	8.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.617785 °	39.617785 °
				-121.778969 °	-121.778969 °
DWR ID	DWR_MA0005_02_s_2013_12				
Action/Comments					
Prunings					

No Photos

LM Start	8.94	Rating **	M	Issue No.	28
LM End	8.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.618163 °	39.618163 °
				-121.778745 °	-121.778745 °
DWR ID	DWR_MA0005_02_f_2014_28				
Action/Comments					
Inspector Comments: FS_ID:37676 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS inlet is buried under soil and covered with brambles. Slide gate missing from LS 6/6/2013 Same as last inspection11/13/2013 Same as last inspection6/4/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 12.0 feet below the crown. Flap gate on waterward end. Concrete headwall on the waterward end. (USACE 1957) FS Date: 6/16/2014 10:30:33 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	9.59	Rating **	M	Issue No.	29
LM End	9.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.626894 °	39.626894 °
				-121.775180 °	-121.775180 °
DWR ID	DWR_MA0005_02_f_2014_29				
Action/Comments					
Inspector Comments: FS_ID:37678					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe 1/2 filled with soil 6/6/2013 Same as last inspection11/13/2013 Same as last inspection6/4/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drain pipe through the levee, 11.2 feet below the crown. Flap gate on waterward end. Concrete "U" shaped headwalls on both ends. (USCE 1957)					
FS Date: 6/16/2014 10:33:35 AM					

No Photos

LM Start	10.54	Rating **	M	Issue No.	3
LM End	10.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.639018 °	39.639018 °
				-121.781458 °	-121.781458 °
DWR ID	DWR_MA0005_02_s_2012_3				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_MA0005_197_3_20141013_00002.jpg



View of the prunings along the landside toe.

LM Start	10.61	Rating **	M	Issue No.	14
LM End	10.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.639967 °	39.639967 °
				-121.782152 °	-121.782152 °
DWR ID	DWR_MA0005_02_s_2012_14				
Action/Comments					
Equipment					

Photo 1 of 1 : FA_2014_MA0005_197_14_20141013_00008.jpg




View of the equipment along the L/S toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

Photo 1 of 1 : FA_2014_MA0005_197_18_20141013_00012.jpg



04/24/2012

View of the vehicle erosion along the slope of the levee.

Photo 1 of 1 : FA_2014_MA0005_197_21_20141013_00014.jpg



04/23/2013

View of the redwood trees planted along the landside toe.

Photo 1 of 1 : FA_2014_MA0005_197_41_20141126_00025.jpg



View of the new fence along the landside toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	11.22	Rating **	M	Issue No.	26
LM End	11.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.647400 °	39.647400 °
				-121.787825 °	-121.787825 °
DWR ID	DWR_MA0005_02_f_2012_26				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	11.29	Rating **	M	Issue No.	30
LM End	11.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.648185 °	39.648185 °
				-121.788563 °	-121.788563 °
DWR ID	DWR_MA0005_02_f_2014_30				
Action/Comments					
Inspector Comments: FS_ID:37686					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned. It needs to be abandoned properly					
6/6/2013 Same as last inspection					
11/13/2013 Same as last inspection					
6/4/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 30-inch corrugated metal siphon through the levee, 9.4 feet below the crown. Slide gate in 42-inch corrugated metal riser on the waterward slope. Concrete distribution box on the landward side. (USCE 1958)					
FS Date: 6/16/2014 10:50:05 AM					

No Photos

LM Start	11.74	Rating **	M	Issue No.	6
LM End	11.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.654268 °	39.657142 °
				-121.789525 °	-121.788690 °
DWR ID	DWR_MA0005_02_s_2012_6				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_MA0005_197_6_20141013_00004.jpg



View of the ditch along the L/S toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	11.94	Rating **	C	Issue No.	16
LM End	11.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.657050 °	39.657050 °
				-121.788717 °	-121.788717 °
DWR ID	DWR_MA0005_02_f_2013_16				
Action/Comments					
Prunings					

No Photos

LM Start	12.25	Rating **	M	Issue No.	31
LM End	12.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.660980 °	39.660980 °
				-121.786341 °	-121.786341 °
DWR ID	DWR_MA0005_02_f_2014_31				
Action/Comments					
Inspector Comments: FS_ID:37687					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: This pipe appears to be abandoned6/6/2013					
Same as last inspection11/13/2013 Same as last					
inspection6/4/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 30-inch siphon pipe through the levee, 12.3					
feet below the crown. Slide gate in 42-inch corrugated metal riser on					
the waterward slope. 5-foot X 5-foot Concrete distribution box at LS					
toe. (USCAE 1958)					
FS Date: 6/16/2014 10:55:26 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	13.03	Rating **	M	Issue No.	19
LM End	13.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.671239 °	39.671239 °
				-121.782486 °	-121.782486 °
DWR ID	DWR_MA0005_02_s _ 2012_19				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_MA0005_197_19_20141013_00013.jpg



View of the brush pile at the toe of the levee.

LM Start	13.23	Rating **	M	Issue No.	5
LM End	13.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.673956 °	39.673956 °
				-121.781278 °	-121.781278 °
DWR ID	DWR_MA0005_02_s _ 2012_5				
Action/Comments					
Equipment					

No Photos

LM Start	13.35	Rating **	M	Issue No.	22
LM End	13.35	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.675311 °	39.675311 °
				-121.780371 °	-121.780371 °
DWR ID	DWR_MA0005_02_s _ 2013_22				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_MA0005_197_22_20141013_00015.jpg



View of the prunings along the waterside toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	13.35	Rating **	M	Issue No.	32
LM End	13.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.675379 °	39.675379 °
				-121.780319 °	-121.780319 °
DWR ID	DWR_MA0005_02_f_2014_32				
Action/Comments					
Inspector Comments: FS_ID:37701					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears to be abandoned. No pump found.					
Pipe should be abandoned properly. 6/6/2013 Same as last inspection					
11/13/2013 Same as last inspection					
6/4/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee, 9.0 feet below the crown. Slide gate in 36-inch corrugated metal riser on the waterward slope. Pump and 36-inch concrete standpipe on the waterward berm. (USCE 1958)					
FS Date: 6/16/2014 12:14:39 PM					

No Photos

LM Start	13.59	Rating **	M	Issue No.	33
LM End	13.59	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.678267 °	39.678267 °
				-121.778322 °	-121.778322 °
DWR ID	DWR_MA0005_02_f_2014_33				
Action/Comments					
Inspector Comments: FS_ID:37703					
EP_NO: 17127					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Debris, soil, and vegetation creating minor blockage at flap gate outlet. 6/6/2013 Same as last inspection. 11/13/2013					
Flap gate is completely blocked from being able to open. 6/4/2014					
Same as last inspection.					
FIELD_STRUCT_DESC: 36-Inch Corrugated Metal pipe drain pipe through the levee approximately 12-feet below the crown. 4-foot X 4-foot concrete box and slide gate on land side. Concrete headwall and flap gate at waterside outlet. (Permit No. 17127)					
FS Date: 6/16/2014 12:19:22 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	13.97	Rating **	A/W	Issue No.	20
LM End	14.16	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.683630 °	39.686221 °
				-121.777916 °	-121.779051 °
DWR ID	DWR_MA0005_02_s_2012_20				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	13.99	Rating **	M	Issue No.	34
LM End	13.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.683896 °	39.683896 °
				-121.778183 °	-121.778183 °
DWR ID	DWR_MA0005_02_f_2014_34				
Action/Comments					
Inspector Comments: FS_ID:37721					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears to be abandoned 6/6/2013. Boiler has been removed and pipe buried on LS. Unable to locate 11/13/2013					
Unable to locate 6/4/2014 Same as last inspection. Unable to locate.					
FIELD_STRUCT_DESC: 8-inch steel pipe through levee, 6.5 feet below crown. Boiler attached to LS end of pipe. (USACE 1958)					
FS Date: 6/16/2014 12:49:30 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	14.15	Rating **	M	Issue No.	35
LM End	14.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.685961 °	39.685961 °
				-121.779041 °	-121.779041 °
DWR ID	DWR_MA0005_02_f_2014_35				
Action/Comments					
Inspector Comments: FS_ID:37722					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears to be abandoned 6/6/2013 Same as last inspection 11/13/2013 Same as last inspection 6/4/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 6-inch steel pipe through levee, 7.1 feet below crown. Siphon breaker in corrugated metal riser on landward slope. One corrugated metal cutoff wall. Pipe is open on both ends. (USCE 1958)					
FS Date: 6/16/2014 12:50:53 PM					

No Photos

LM Start	14.34	Rating **	U	Issue No.	43
LM End	14.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.688715 °	39.688715 °
				-121.778345 °	-121.778345 °
DWR ID	DWR_MA0005_02_f_2014_43				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2014_MA0005_197_43_20141126_00027.jpg



View of where the landowner is disked into the landside slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	14.54	Rating **	U	Issue No.	25
LM End	14.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.691432 °	39.691432 °
				-121.778933 °	-121.778933 °
DWR ID	DWR_MA0005_02_s_ 2012_25				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_MA0005_197_25_20141126_00028.jpg



View of the buildings at the landside toe.

LM Start	14.82	Rating **	M	Issue No.	36
LM End	14.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.695204 °	39.695204 °
				-121.778557 °	-121.778557 °
DWR ID	DWR_MA0005_02_f_ 2014_36				
Action/Comments					
Inspector Comments: FS_ID:37744					
EP_NO: 14519					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe outlet burried and flap gate will not function 6/6/2013 Same as last inspection 11/13/2013 Same as last inspection 6/4/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch Soil proofed steel storm drain pipeline through the levee 12-feet below the crown. Concrete headwall on LS toe, 4'X4' concrete box with slide gate on WS shoulder. Outlet with flap gate near stream 275-feet south east of concrete box on WS shoulder. (Permit No. 14519.)					
FS Date: 6/16/2014 1:05:50 PM					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	11/20/2014 11/20/2014	Bob Duffey

LM Start	15.71	Rating **	M	Issue No.	37
LM End	15.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.707544 °	39.707544 °
				-121.777701 °	-121.777701 °
DWR ID	DWR_MA0005_02_f_2014_37				
Action/Comments					
Inspector Comments: FS_ID:37748					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Good candidate for video inspection6/6/2013					
Same as last inspection. Need to construct covers for top of					
standpipe1/13/2013 Same as last inspection6/4/2014 Same as					
last inspection.					
FIELD_STRUCT_DESC: 1 of 2: 54-inch siphon pipe through the levee,					
17.8 feet below crown. Slide gate in 66-inch CMP riser on waterward					
side. Concrete headwall and irrigation ditch at the landward toe. Large					
structure in floodway likely related. (USCE 1958)					
FS Date: 6/16/2014 1:08:55 PM					

No Photos

LM Start	15.71	Rating **	M	Issue No.	38
LM End	15.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.707569 °	39.707569 °
				-121.777705 °	-121.777705 °
DWR ID	DWR_MA0005_02_f _ 2014_38				
Action/Comments					
Inspector Comments: FS_ID:37749					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Good candidate for video inspection6/6/2013					
Same as last inspection. Need to construct cover for top of					
standpipe1/13/2013 Same as last inspection6/4/2014 Same as					
last inspection.					
FIELD_STRUCT_DESC: 2 of 2: 54-inch siphon pipe through the levee,					
17.8 feet below crown. Slide gate in 66-inch CMP riser on waterward					
side shoulder. Concrete headwall and irrigation ditch at the landward					
toe. Large structure in floodway likely related. (USCE 1958)					
FS Date: 6/16/2014 1:09:32 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0005

Waterway			Bank	Unit Miles
Unit No. 03 Little Chico Creek Diversion 1			Left	1.49
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/29/2014 - 04/29/2014		11/20/2014 - 11/20/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Jason Cooper Sutter Maintenance Yard		Jason Cooper Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion 1	Left	1.49	11/20/2014 11/20/2014	Bob Duffey

LM Start	0.50	Rating **	A	Issue No.	1
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.723865 °	39.723865 °
				-121.780555 °	-121.780555 °
DWR ID	DWR_MA0005_03_f_2014_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_MA0005_198_1_20141126_00001.jpg



View of controlled vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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